

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/012279

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07F9/6568

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/084971 A (DEGUSSA) 16 October 2003 (2003-10-16) page 13 - page 15	1-13
Y	& DE 103 09 356 A (DEGUSSA) 20 November 2003 (2003-11-20) cited in the application	1-13
Y	WO 91/17998 A (DU PONT) 28 November 1991 (1991-11-28) Scheme 1	1-13
Y	& EP 0 528 865 A (DU PONT) 3 March 1993 (1993-03-03) cited in the application	1-13
A	WO 99/24444 A (CHIROTECH TECHNOLOGY LTD) 20 May 1999 (1999-05-20) page 2 -/--	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

3 February 2005

Date of mailing of the international search report

18/02/2005

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A	PILKINGTON C J ET AL: "Expanding the Family of Phospholane-Based Ligands: 1,2-Bis(2,5-diphenylphospholano)ethane" ORGANIC LETTERS, ACS, WASHINGTON, DC, US, vol. 5, no. 8, 17 April 2003 (2003-04-17), pages 1273-1275, XP002301264 ISSN: 1523-7060 cited in the application Scheme 1 -----	1-13
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Y	<p>NANDI M ET AL: "Synergistic effects of hemilabile coordination and counterions in homogeneous catalysis: new turnable monophosphine ligands for hydrovinylat ion reactions"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 121, no. 42, 27 October 1999 (1999-10-27), pages 9899-9900, XP002316158 ISSN: 0002-7863 Scheme I</p>	1-13
Y	<p>BRAUER D J ET AL: "Novel P,N ligands derived from (R)- and (S)-1-phenylethylamine with (2R,5R)-2,5-dimethylphospholanyl groups (DuPHAMIN) for asymmetric catalysis"</p> <p>EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no. 9, May 2003 (2003-05), pages 1748-1755, XP002316159 ISSN: 1434-1948 Scheme 1, conversion of compound 4 to 5</p>	1-13
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